



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	F
P0038657	ACI001-VC	4	1	Net 30	M304R0.375	304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft				24	12/19/2017	24		S025751	Stock	12/20/2017	\$ 1.19 / ft	0	
		5			M304R.500	304 SS roundbar .500 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft				48		48		S025752	Stock	12/20/2017	\$ 1.91 / ft	0	
		6			M6061T6R0.375	6061-T6 Round Bar .375" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				40		40		S025753	Stock	12/20/2017	\$ 0.38 / ft	0	
		7			M6061T6R0.500	6061-T6 Round Bar .500" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				60		60		S025754	Stock	12/20/2017	\$ 0.64 / ft	0	
		8			M6061T6R0.875	6061-T6 Round Bar .875" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				40		40		S025755	Stock	12/20/2017	\$ 1.95 / ft	0	
Total:										212		212							

Plex 12/20/2017 3:11 PM Dart.Dubois.Pascal



ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Order - Sales

Copy

CO00067354

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Customer N° CL10001056

Date 2017/12/15

Delivery date 2017/12/18

Your order N° 38657

Processed by Josianne Bourdon

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Page 1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 ROUND SS 3/8 304 RANDOM RSS-38-V 5768 2 X 12' R/L HEAT: CH-3840	9.02	24.00	PI_\$CLB	2.00			24/11			
2 ROUND SS 1/2 304 RANDOM RSS-12-V 5730 4 X 12' R/L HEAT: 430W	32.02	48.00	PI_\$CLB	4.00			48/11			
3 ROUND ALU 3/8 6061-T6 RANDOM RAL-38-V 5160 2 X 20' HEAT: 68219	5.28	40.00	PI_\$CLB	2.00			40/11			
4 ROUND ALU 1/2 6061-T6 RANDOM RAL-12-V 5127 3 X 20' HEAT: SYF162075	13.86	60.00	PI_\$CLB	3.00			60/11			

NIR : R-109516-6

Next Page...



ACIER OUELLETTE INC.
935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Order - Sales

Copy

CO00067354

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

Delivery Route 5

Customer N  CL10001056

Date 2017/12/15

Delivery date 2017/12/18

Your order N  38657

Processed by Josianne Bourdon

Salesman

Carrier

Credit Terme OUELLETTE VALLEYFIELD
Net 30 Days

Page 2

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
				CMD	EXP	B/O	IN	I	S C
5 ROUND ALU 7/8 6061-T6 RANDOM RAL-78-V 5175 2 X 20' HEAT: 37489 SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE	28.24	40.00	PI_\$CLB	2.00			400		
			\$	0.00					

Total Weight (LBS) : 1 88.42 NIR : R-109516-6

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :	Verified By :	Delivered By :	Time	Customer's Signature	Y	M	D
Total (\$CAD)				Deposit	Balance		
288.48				0.00	288.48		

#5763

RSS-38-12

48194

PO 6840



CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001 : 2008 CERTIFICATE No. 01 300 018002

ADM. OFFICE: 804, SURESH NAGAR, M & P NEAR MARG, MUMBAI 400 007, INDIA

Tel: 91-22-44290000 Fax: 91-22-44290000/34

Website : www.chandansteel.net

Email : info@chandansteel.net

L/c No.:

L/c Date:

WORKS: Plot No. 35, G. I. D. C., Umbergaon

Dist. Valand, Gujarat - 386 171.

Tel: 91-260-200 9999 Fax: 91-260 200 9872

E-mail : export@chandansteel.net

FORM QC 09A / 02 / 10.12.2012

MILL TEST / INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204 : 2005

PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS					Test Certificate No. : ECP/00337 - 13/2016-2017 Date of Issue : 08.07.2016 P. O. No. : P004712 SC_No. & Date : 15-16/00924, Dt. 13.04.2016 Invoice No. & Date : ECP/00337/2016-17 Dt.08.07.2016						
					LENGTH Ordered : 12' - 12'6" Actual : 12' - 12'6"		Net Wt. 6458 LBS.				
Heat No.	Grade AISI/DIN 304/304L 1.4301/1.4307 UNS30400/30403	Size mm/inches 3/8"	Tolerance h9	Process Route Electric Melting, A.O.D. Refining, Continuous Casting.							
CHEMICAL COMPOSITION (Weight %)											
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Co	N
Min.	-	-	-	-	-	18.00	-	8.00	-	-	-
Max.	0.080	1.00	2.00	0.045	0.030	20.00	1.00	10.50	1.00	-	0.1000
Results	0.019	0.42	1.71	0.040	0.020	18.21	0.32	8.05	0.41	0.10	0.0690
MECHANICAL PROPERTIES											
Specified Values	Test Method :- EN ISO 6892-1					Hardness EN ISO 6506-1 (BHN)	Test Method :- Charpy 'V' Notch Impact Twisted (2mm) as per DIN EN ISO 148 - 1 Sample Size - Test Temp. :- 20 °C (Iones)				
	Proof Strength N/mm ² / MPa		Tensile Strength N/mm ² / MPa (Rm)	Elongation after Fracture A %	Reduction of Area %						
	0.2% (Rp0.2)	1% (Rp1.0)									
Results	514	560	712	47	65	215-218	I	II	III	Avg.	
Remarks: 1. Cold drawn & Centreless Ground. 2. Solution annealed at 1050 °C. 3. PMI test done 100% & found Satisfactory. 4. Material is free from radio-active contamination. 5. Material is free from mercury contamination. 6. Inter-Granular Corrosion Test as per ASTM A262 - 15 (Pr.B) satisfactory. 7. No welding or weld repairs were performed on this material while in our possession. 8. Micro structure reveals- equiaxed grains of Austenite & free from carbide Precipitation. 9. Grain size - No. 7-8 of ASTM as per E112-96. 10. The material Conforms to ASTM A276-15, ASTM A182/A182M-15, ASME SA 182/SA 182M-15, ASTM A79/A79M-15, ASME SA679/SA-679M-15, ASTM A193/A193M-12B B8 - CL1, ASME SA193/SA193M-13 B8 - CL1, ASTM A320/A320M-11 B8 CL1, ASME SAS20/SA 320M-10 B8 CL1, AMS-QQ-S-763B COND A, AMS - 5639H, AMS - 5647H, EN 10088-3 : 2014 & DIN EN 10272-2008 Specification. 11. Location of sample - Centre, Direction - Longitudinal, Test Temp - Room Temp, Shape of Test Piece - Round. 12. Marking details - Company Logo, Size, Grade & Heat No. 13. The material is manufactured / melt in Chandan Steel Mill and is of Indian Origin. BUNDLE NO.: 47 to 51 COLOUR : RED											

It is hereby certified that the above results are true and correct in every detail and are meeting the requirements of specification & purchase order.

B. S. RAUTELA
MANAGER - QUALITY ASSURANCE



5705

48628

PO-8780



North American Stainless Canada Inc.
740 Imperial Road North
Georgetown, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

203375

6870 Highway 42 East
Chemt. KY 41045-9615
(502) 347-6000

Certificate: 326654 5

Customer: 007060 500

Date: 8/24/2017 Page: 1

Steel 304/304L

Finish: CD

Corrosion: ASTM A262/15 Pract A/E OK

Your Order: C110194

NAS Order: PN 0082353 03

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS J0400/30403 EN 10204 3.1, ASTM A484/16
ASTM A276/17, ASTM A479/17, ASTM A182/16a CHEM ONLY,
ASME SA479/17, ASME SA182/16a CHEM ONLY,
AMS 5639J, AMS 5647J, AMS 00S-763D, Q0S-763F, ASTM F899/12b
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DPM 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+ADD+CC, NO WELD REPAIR, WELDED AND NOT
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Std # Diameter	Size	Weight	Length	Mark	Places	Commodity Code
BT8786 3	.5000		1.239	144.00	11	1	

CHEMICAL ANALYSIS

CM(Country of Mch) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/16a

Heat	CM	C %	CO %	CR %	CU %	PN %	MO %	N %	NI %	P %
430W	US	.020	.16	18.18	.36	1.35	.32	.078	8.56	.030

S %	SI %
.0206	.24

MECHANICAL PROPERTIES

Product Id	1 d o f	HB	No.	2Y8 KSI	UTS KSI	RA %	2Yng %
BT8786 3	RL	220.0	95.00	108.00	52.00	41.00	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical
Dept. Mgr

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address : 4054 BOUL. LE CORBUSIER # 201
LAVAL, QC
H7L5R2

commande Sapa / Sapa order # : 6120924

bon de commande / Purchase order # : OU - 47030

de matrice / Die # : MS 9903

Description : 3/8" ROD

Alliage & trempage / Alloy & temper : 6061 T6

Longueur / Length : 6097 mm

de contrôle / Control # : 82386-1

de coulée / Cast # :

68219

Dureté Rockwell E /
Rockwell E hardness : 89 HRE

Min. requis /
Min. required : 88 HRE

Max. permis /
Max. permitted : 100 HRE

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0.20 - 0.60	0.35 Max	0.10 Max	0.10 Max	0.45 - 0.90	0.10 Max	0.10 Max	0.10 Max
6005	0.60 - 0.90	0.35 Max	0.10 Max	0.10 Max	0.40 - 0.60	0.10 Max	0.10 Max	0.10 Max
6005A	0.66 - 0.74	0.14 - 0.28	0.08 - 0.16	0.18 - 0.26	0.46 - 0.54	0.03 Max	0.05 Max	0.05 Max
6061	0.40 - 0.80	0.70 Max	0.15 - 0.40	0.15 Max	0.80 - 1.20	0.04 - 0.35	0.25 Max	0.15 Max
6351	0.7 - 1.3	0.5 Max	0.10 Max	0.40 - 0.80	0.40 - 0.80	---	0.20 Max	0.20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,
Yours truly,

date : 2017-01-27



Gilles Pelletier
Technicien de la qualité
Quality technician



GLOBAL VIETNAM ALUMINIUM COMPANY LIMITED

Address: My Xuan B1-Conn Industrial zone, My Xuan town, Tan Thanh district,
Ba Ria-Vung Tau province, Viet Nam
Tel: +84(0)643924954
Fax: +84(0)643924953

MILL TEST CERTIFICATE

Date: January 19, 2017

Consignee: SINOMETAL RESOURCES INC.
4455 RUE CONSENS SAINT-LAURENT, QUEBEC, H4S 1X5, CANADA
PO number: 16-P-421
Customer PO: Inventory
Shipping Ref No.: 17-0046
LC No.: DC HMN710232
Date of Issue: January 18, 2017
Item Code: 1042803
Dis Number: D00324
Alloy & Temper: 6061-T6
Production Description: Round Bar 0.5"x 20' 6061-T6 D00324
Length (Inch): 240
Bundle number: 16-P-421-067, 16-P-421-066, 16-P-421-065, 16-P-421-058
Rent Number: SXF162075
Date: 05/01/2017
Applicable Specifications: ASTM B221 STANDARDS

CHEMICAL ANALYSIS: %

Si	Mg	Fe	Cu	Mn	Cr	Zn	Ti	Al	Other		Remarks
									EACH	TOTAL	
0.045	0.930	0.227	0.246	0.022	0.088	0.013	0.018	98.719	<0.05	<0.10	02/01/2017

MECHANICAL ANALYSIS:

Ult. Strength (ksi)	Yield Strength (ksi)	Elongation % 1.18 2"	Remarks
38.6	35.6	10.4	02/01/2017

All profiles, each profile with each MTC, showing material shipped match aluminium alloy as per standard, with chemical analysis and mechanical analysis to match aluminium alloy standard.

We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 months from the date of purchase and are available for review upon request, referring to ASTM and the PO number.

Quality Manager

KAL-78-20

T2A
16/18

48536

NO DU BGN	DATE DE LIVRAISON
122753	16/Aug/17
MIR:	NO DE TELEPHONE DU CLIENT:
R-015478-2	450-963-3693
NO COMMANDE CLIENT:	REPRESENTANT:
OU-47846	Guillaume Morin
CHAUFFEUR:	NO COMMANDE EXTRUDED:
NOTRE CAMION	106012

NOUVEAU	MOINS QUE L'ANCIEN	DEGRADATION MILIEU (CHEMINAGE)	LONGUEUR	EPAISSEUR	COTE D'ENTREE	COTE DE SORTIE	DIFFERENCE	REMARQUE	DATE	OK			
2	SA00580	MGE RONDE 76" 6061/T6	6096mm	NATUREL MILL	78	500	0 0	106012-2-1A1	409686	89	566	100.0%	<input type="checkbox"/>
							Sous-Total	1	89	✓ 566			

Mill Test (Tensile Properties of Aluminum)

Order No.	Alloy	Temper	Yield (ksi)	Ultimate Tensile (ksi)	Total Elongation (%)	Hardness (Rockwell E)	Conductivity %	Report No.
106012-2-1A1	6061	T6	43.1	47.7	15.70	95.80		7610

Certificate of compliance (Certificat de conformité)

Order No. Hardness (Webster) #1 #2 Cast No. CAST CHEMICAL COMPOSITION:

Normes: (ANSI H35.1-1997) & (ASTM B221)

106012-2-1A1 15 15 37489 AI SI Fe Cu Mn Mg Cr Ni Zn Ti Ga V P S Se Pb

Certificate of compliance (Certificat de conformité)

Norms: (ANSI H35.1-1997) & (ASTM B221)

7610

.[illegible]

SIGNATURE
EXTRUDEX:

SIGNATURE
CLIENT:

89x240"

DATE:

VÉRIFICATION DE MATÉRIEL

DATE 16-08-17

VÉRIFIÉ PAR *R. A. 1107*



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038657**

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038657

PO Date: 12/15/17

Due Date: 12/19/17

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
DEC 15 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quote # sou0076907

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M303B1.000X03.000		303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	1/9/18	12 ft	0 ft	12 ft	\$72.25/ft	\$867.00
2	M303R0.313		303 Round Bar .313 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	12/19/17	24 ft	0 ft	24 ft	\$0.951666/ft	\$22.84
3	M303R0.500		303 Round Bar 0.500" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	12/19/17	72 ft	0 ft	72 ft	\$1.973888/ft	\$142.12
4	M304R0.375		304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	12/19/17	24 ft	0 ft 24"	24 ft	\$1.188/ft	\$28.51
5	M304R.500		304 SS roundbar .500 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	12/19/17	48 ft	0 ft 48"	48 ft	\$1.9072222/ft	\$91.55

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	M6061T6R0.375		6061-T6 Round Bar .375" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	12/19/17	40 ft	0 ft 40"	40 ft	\$0.3775/ft	\$15.10
7	M6061T6R0.500		6061-T6 Round Bar .500" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	12/19/17	60 ft	0 ft 60"	60 ft	\$0.6375/ft	\$38.25
8	M6061T6R0.875		6061-T6 Round Bar .875" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	12/19/17	40 ft	0 ft 40"	40 ft	\$1.94825/ft	\$77.93
Grand Total:									\$1,283.30	

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/15/17 11:38 AM dart.lavoie.chantal

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R0.875
 DATE: DEC 20 2017

PO / BATCH NO.: 038657/502553

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 40'
 QUANTITY INSPECTED: 40'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.875
 THICKNESS RECEIVED: 0.875
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	Astm B221
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	Heat # 37489
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u>	SIGNED OFF BY: _____	
DATE: <u>DEC 20 2017</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION:

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/415/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6R/D DDD
DIA.

WHERE "D DDD" = DIAMETER IN INCHES

EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED
R 2009-09-09
JAF

B	REFORMAT DWG. ADD B211 & B221 SPEC (ZN DB-1), REF 17 JAN 06 020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAMKESBURY, ONTARIO, CANADA		REV. B SHEET 1 OF 1 SCALE NTS	
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R0.500
 DATE: DEC 20 2017

PO / BATCH NO.: 038657/502575

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 60"
 QUANTITY INSPECTED: 60"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500
 THICKNESS RECEIVED: 0.500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	<u>Astm B221</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	<u>Heat # SxP162025</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION

INSPECTED BY: ml
 DATE: DEC 20 2017

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY: _____
 DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R[D.DDD]
DIA.
WHERE "D.DDD" = DIAMETER IN INCHES
EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED
R 2009-09-09
JAP

B	REFORMAT DWG. ADD B211 & B221 SPEC (ZN D8-1), REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6R			
REV. B			
SHEET 1 OF 1			
SCALE			
6061-T6 ROUND BAR			
NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R0.375
 DATE: DEC 20 2017

PO / BATCH NO.: 038657/5025753

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 4011
 QUANTITY INSPECTED: 4011
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375
 THICKNESS RECEIVED: 0.375
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	Heat # 68219
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	Asfm B221
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>red</u>	SIGNED OFF BY: _____		
DATE: <u>DEC 20 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R(D,DDD) DIA.

WHERE "D DDD" = DIAMETER IN INCHES
EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED
R 2009-09-09
NAD

B	REFORMAT DWG. ADD B211 & B221 SPEC (ZN D8-1).	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6R			
REV. B SHEET 1 OF 1			
TITLE 6061-T6 ROUND BAR			
SCALE NTS			
DATE 09.07.13			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R.500
 DATE: DEC 20 2017

PO / BATCH NO.: 038657/5025752

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48"
 QUANTITY INSPECTED: 48"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500
 THICKNESS RECEIVED: .500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	<u>Heat # 430W</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	<u>Astm A276</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>pu</u>	SIGNED OFF BY: _____	
DATE: <u>DEC 20 2017</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR

(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A276

PART NUMBER:

M304RD.DDD

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M304R0.750

RELEASED
09/07/15

B	REFORMAT DWG. ADD SPECS (2N DB-1)	CP	09.07.15
A	NEW ISSUE	AJS	08.03.03
REV.	DESCRIPTION	BY	DATE
DESIGN	4.5		
DRAWN	4.5		
CHECKED	4.5		
MFG. APPR.	4.5		
APPROVED	4.5		
DE APPR.	4.5		
DATE	09.07.15		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304R			
TITLE 304/316 ROUND BAR			
REV. B			
SHEET 1 OF 1			
SCALE NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R0.375
 DATE: DEC 20 2017

PO / BATCH NO.: 038657/5025751

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375
 THICKNESS RECEIVED: 0.375
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	Heat # CH-3840
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	A67m A276
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>pu</u> DATE: <u>DEC 20 2017</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION:

ASTM A276

PART NUMBER:

M304R0.750
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M304R0.750

RELEASED
07/03/25/140

B	REFORMAT DWG. ADD SPECS (ZN D6-1).	CP	09.07.15
A	NEW ISSUE	AJS	08.03.03
REV.	DESCRIPTION	BY	DATE
DESIGN	ASS		
DRAWN	QA		
CHECKED			
MFG. APPR.	M304R		
APPROVED			
DE APPR.			
DATE	09.07.15		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. REV. B			
M304R SHEET 1 OF 1			
TITLE SCALE			
304/316 ROUND BAR NTS			
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